

L Number	Hits	Search Text	DB	Time stamp
1	43	((549/30).CCLS.) and oxathiolan?	USPAT; US-PGPUB	2004/03/30 10:05

10/073,116

Thomas McKenzie

use in agriculture. Humburg, Gerhard; Willms, Lothar; Mildenerberger, Hilmar; Bauer, Klaus; Bieringer, Hermann; Buerstell, Helmut (Hoechst A.-G., Fed. Rep. Ger.). Eur. Pat. Appl. EP 98569 A2 19840118, 72 pp. DESIGNATED STATES: R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1983-106513 19830704. PRIORITY: DE 1982-3225471 19820708; DE 1982-3247616 19821223.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI EP 98569	A2	19840118	EP 1983-106513	19830704
EP 98569	A3	19841219		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DE 3225471	A1	19840112	DE 1982-3225471	19820708
DE 3247616	A1	19840705	DE 1982-3247616	19821223

=>

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:.

STN INTERNATIONAL LOGOFF AT 11:02:44 ON 30 MAR 2004

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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available  
in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 22 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 23 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 25 MAR 03 FRANCEPAT now available on STN  
NEWS 26 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 27 MAR 29 WPIFV now available on STN  
NEWS 28 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 29 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
  
NEWS EXPRESS MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN

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NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:57:49 ON 30 MAR 2004

=> ile reg

ILE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> file reg

FILE 'REGISTRY' ENTERED AT 10:57:58 ON 30 MAR 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5

DICTIONARY FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5

TSKA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 1,3-oxathiolane/cn

L1 1 1,3-OXATHIOLANE/CN

=> d rsd

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C3OS	OCSC2	5	C3OS	16.390.1	1

=> s (C4H8O3S OR C6H10O3S)/mf

129 C4H8O3S/MF

288 C6H10O3S/MF

L2 417 (C4H8O3S OR C6H10O3S)/MF

=> s l2 and 16.390/rid

6489 16.390/RID

L3 22 L2 AND 16.390/RID

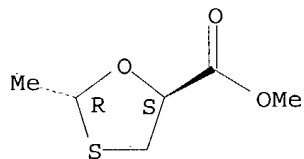
=> d scan

L3 22 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN 1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2R-trans)-  
(9CI)

MF C6 H10 O3 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l3 and 2

16472253 2

L4 21 L3 AND 2

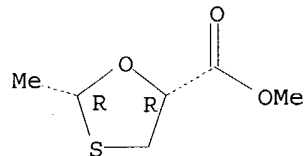
=> d scan

L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN 1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2R-cis)-  
(9CI)

MF C6 H10 O3 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

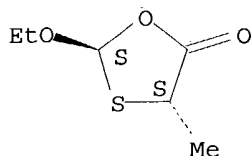
10/073,116

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

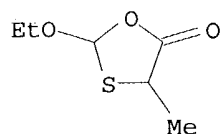
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolan-5-one, 2-ethoxy-4-methyl-, trans- (9CI)  
MF C6 H10 O3 S

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

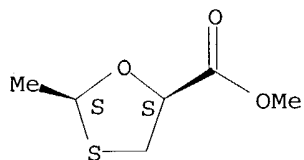
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolan-5-one, 2-ethoxy-4-methyl- (9CI)  
MF C6 H10 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2S-cis)-  
(9CI)  
MF C6 H10 O3 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

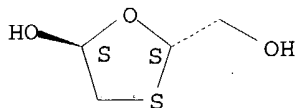
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

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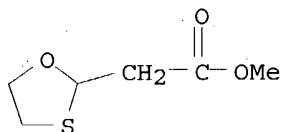
IN 1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5R)-rel- (9CI)  
MF C4 H8 O3 S

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

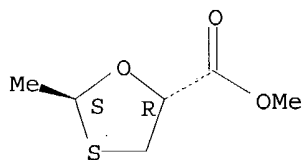
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolane-2-acetic acid, methyl ester (9CI)  
MF C6 H10 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, trans- (9CI)  
MF C6 H10 O3 S

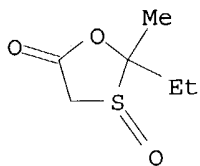
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

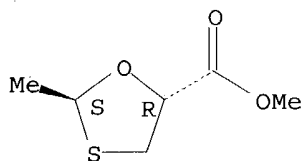
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1,3-Oxathiolan-5-one, 2-ethyl-2-methyl-, 3-oxide (9CI)  
MF C6 H10 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

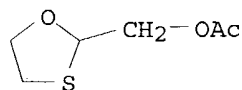
L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN 1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester,  
 (2S-trans)- (9CI)  
 MF C6 H10 O3 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN 1,3-Oxathiolane-2-methanol, acetate (9CI)  
 MF C6 H10 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 14 not methyl/cns

6569941 METHYL/CNS

L5 6 L4 NOT METHYL/CNS

=> d 1-6 ide cbib pi

L5 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 358349-02-7 REGISTRY  
 CN 1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5R)-rel- (9CI) (CA  
 INDEX NAME)

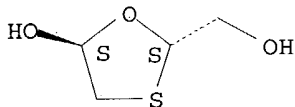


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FS STEREOSEARCH  
MF C4 H8 O3 S  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

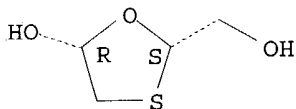
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 135:211232 Preparation of substituted-1,3-oxathiolane and substituted-1,3-dioxolane nucleosides with antiviral properties. Belleau, Bernard; Belleau, Pierette; Nguyen-ba, Nghe (Can.). U.S. Pat. Appl. Publ. US 20010020026 A1 20010906, 43 pp., Cont.-in-part of U.S. Ser. No. 306,830. (English). CODEN: USXXCO. APPLICATION: US 1998-172848 19981015. PRIORITY: US 1990-564160 19900807; US 1994-306830 19940915.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001020026	A1	20010906	US 1998-172848	19981015
	US 6350753	B1	20020226	US 1998-163374	19980930
	US 2003087918	A1	20030508	US 2002-73116	20020212

L5 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 358349-01-6 REGISTRY  
CN 1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5S)-rel- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C4 H8 O3 S  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.



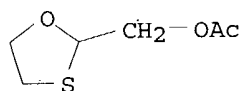
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 135:211232 Preparation of substituted-1,3-oxathiolane and substituted-1,3-dioxolane nucleosides with antiviral properties. Belleau, Bernard; Belleau, Pierette; Nguyen-ba, Nghe (Can.). U.S. Pat. Appl. Publ. US 20010020026 A1 20010906, 43 pp., Cont.-in-part of U.S. Ser. No. 306,830. (English). CODEN: USXXCO. APPLICATION: US 1998-172848 19981015. PRIORITY: US 1990-564160 19900807; US 1994-306830 19940915.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001020026	A1	20010906	US 1998-172848	19981015
	US 6350753	B1	20020226	US 1998-163374	19980930
	US 2003087918	A1	20030508	US 2002-73116	20020212

L5 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 171284-72-3 REGISTRY  
 CN **1,3-Oxathiolane-2-methanol, acetate (9CI)** (CA INDEX NAME)  
 FS 3D CONCORD  
 MF **C6 H10 O3 S**  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT

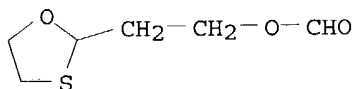


**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 124:30223 Synthesis of 1,3-oxathiolane derivatives as novel precursors of 2',3'-dideoxy-3'-oxa-4'-thioribonucleosides. Nokami, Junzo; Ryokume, Kazuyo; Inada, Junya (Fac. Eng., Okayama univ. Sci., Okayama, 700, Japan). Tetrahedron Letters, 36(34), 6099-100 (English) 1995. CODEN: TELEAY. ISSN: 0040-4039. Publisher: Elsevier.

L5 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 106584-26-3 REGISTRY  
 CN **1,3-Oxathiolane-2-ethanol, formate (9CI)** (CA INDEX NAME)  
 FS 3D CONCORD  
 MF **C6 H10 O3 S**  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

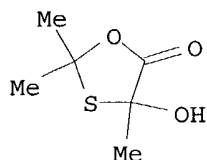
REFERENCE 1: 106:67168 Homolytic addition of 1,3-oxathiolanes to unsaturated hydrocarbons. Vikolaeva, S. V.; Zorin, V. V.; Zlotskii, S. S.; Rakhmankulov, D. L. (Ufimsk. Neft. Inst., Ufa, 450062, USSR). Khimiya Geterotsiklicheskikh Soedinenii (2), 259-63 (Russian) 1986. CODEN: KGSSAQ. ISSN: 0453-8234.

L5 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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RN 99223-51-5 REGISTRY  
CN 1,3-Oxathiolan-5-one, 4-hydroxy-2,2,4-trimethyl- (9CI) (CA  
INDEX NAME)  
FS 3D CONCORD  
MF C6 H10 O3 S  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)

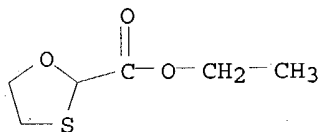


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 103:215233 A brief survey of the use of the Pummerer rearrangement for the alkylation of 1,3-oxathiolan-5-ones and 1,3-thiazolidin-4-ones. McIntosh, John M.; Leavitt, Randy K. (Dep. Chem., Univ. Windsor, Windsor, ON, N9B 3P4, Can.). Canadian Journal of Chemistry, 63(12), 3313-16 (English) 1985. CODEN: CJCHAG. ISSN: 0008-4042.

L5 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 90392-04-4 REGISTRY  
CN 1,3-Oxathiolane-2-carboxylic acid, ethyl ester (9CI) (CA INDEX  
NAME)  
FS 3D CONCORD  
MF C6 H10 O3 S  
LC STN Files: CA, CAPLUS, CASREACT



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 129:108698 Synthesis of sterically hindered esters via titanium catalyzed transesterification. Krasik, Pavel (BioChem Therapeutic Inc., Laval, QC, H4V 4A7, Can.). Tetrahedron Letters, 39(24), 4223-4226 (English) 1998. CODEN: TELEAY. ISSN: 0040-4039. Publisher: Elsevier Science Ltd..

REFERENCE 2: 101:7206 Heterocyclically substituted sulfonyl ureas, and their